

Switching Spark Gap

Series/Type: SSG5X-1 Ordering code: B88069X0270S102

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Nominal breakdown voltage V_N	5000	V
Initial values ²⁾ Static breakdown voltage V _S ¹⁾ First ignition value V _{S, FTE} after 24 hours in darkness Following ignition values V _{S, FIV}	≤ 6500 4000 6000	VVV
Electrical life time ³⁾ Breakdown voltage V_B First ignition value $V_{B, FTE}$ after 24 hours in darkness Following ignition values $V_{B, FIV}$	≤ 7000 3750 6250	VVV
Switching operations at 0 +100 °C	100 000	Ignitions
Test circuit parameters Open circuit voltage V ₀ Loading resistance R Discharge capacitance C Inductance L Discharge peak current I _P	7000 4000 1 20 30	V kΩ nF μH A
General technical data Insulation resistance at 100 V Early ignition values below 3750 V Breakdown time Maximum switching frequency Weight	> 100 ≤ 1 ≤ 50 100 ~ 2	MΩ % ns Hz g
Marking, red	EPCOS 5000 YY O5000- Nominal voltageYY- Year of productionO- Non radioactive	

At delivery AQL 0,65 level II, DIN ISO 2859
Page 2, Fig. 1 and 2
Page 2, Fig. 3 and 4

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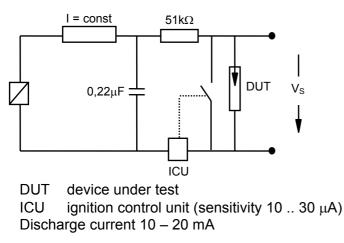


Fig. 3: QC- test circuit (sampling inspection at 25 °C)

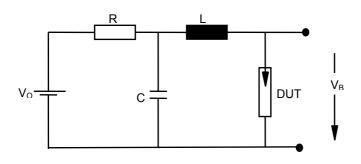


Fig. 2: Explanation of measurands

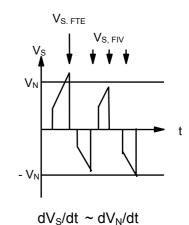
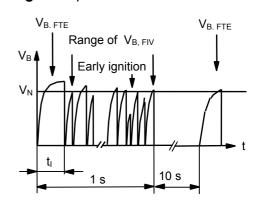
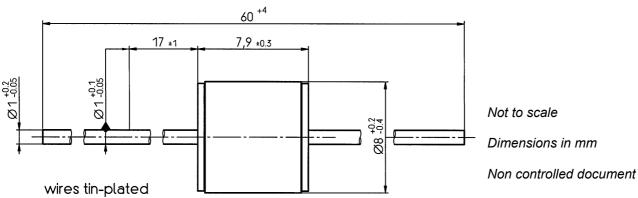


Fig. 4: Explanation of measurands





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